

A Corner Base Cabinet for a Kitchen Remodel

DIY Plans to Build a Diagonal Corner Base Kitchen Cabinet

When I was remodeling my kitchen, I built an [L-shaped corner cabinet](#). There are some who like this style and some who prefer the diagonal corner style. I was asked if I had plans on the side for the D-style cabinet and now I do! The DIY plans to build a Diagonal Corner Base Kitchen Cabinet feature two shelves inside with an optional Lazy Susan attached to each shelf. The cabinet also features a face frame with a 1/2" overlay on the door, which can be hinged on either side. This cabinet also features adjustable furniture legs and is another quick and easy build!

build a
diagonal
corner
base
kitchen
cabinet



Materials:

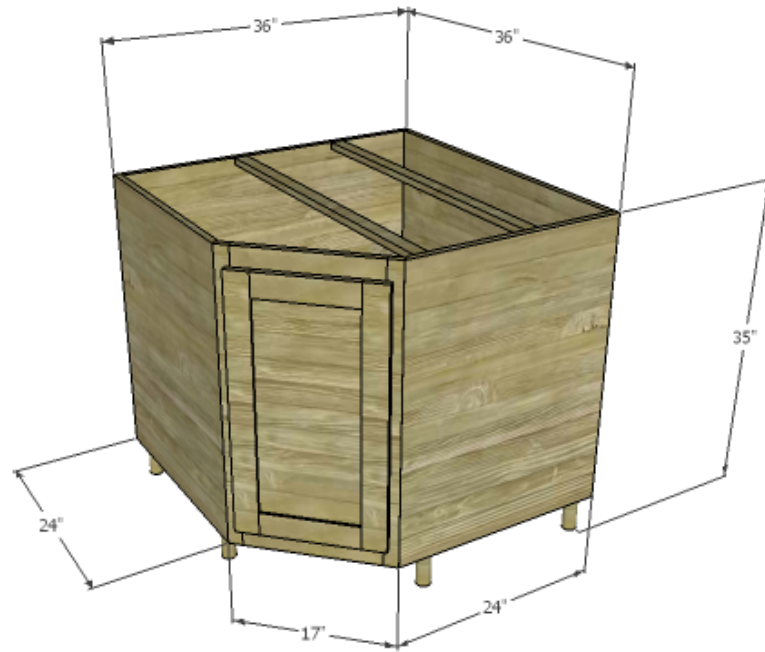
- 1" pocket hole screws
- 1-1/4" pocket hole screws
- 1-1/4" brad nails
- Edge banding, optional
- 3 sets of adjustable furniture legs (like [these](#))
- 2 sets of Lazy Susan hardware with screws
- 1 set of hinges
- Cabinet pulls
- Wood glue
- Sandpaper (100, 150, 220 grits)
- Finishing supplies (primer & paint, or stain, sealer)

Lumber:

- 1 – 1×2 at 6'
- 2 – 1×3 at 6'
- 1 – 2' x 2' sheet of 1/2" plywood
- 3 – 4' x 8' sheets of 3/4" plywood

Cut List:

- 1 – 3/4" plywood at 31" x 34-1/2" – Back
- 1 – 3/4" plywood at 31" x 35-1/4" – Back
- 2 – 3/4" plywood at 24" x 31" – Sides
- 2 – 3/4" plywood at 34-1/2" x 34-1/2" – Shelves
- 2 – 3/4" plywood at 31" in diameter – Lazy Susan Shelves
- 2 – 1×3 at 14" – Face Frame Rails
- 2 – 1×2 at 31" – Face Frame Stiles
- 1 – 3/4" plywood at 48-13/16" – Support
- 2 – 1×3 at 10" – Door Rails
- 2 – 1×3 at 27" – Door Stiles
- 1 – 1/2" plywood at 10" x 22" – Door Panel

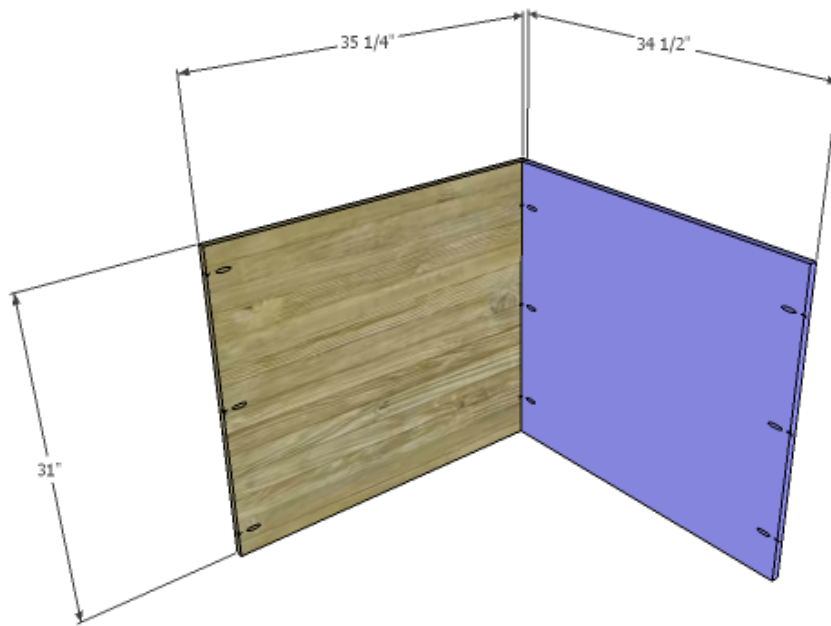


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Click on the drawings for a larger view!

Step One

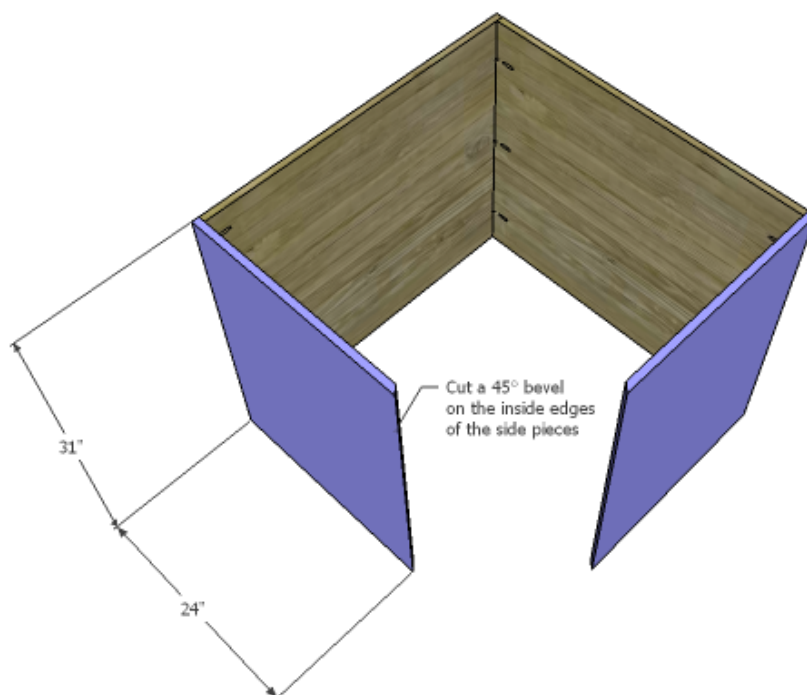
Cut the pieces for the back. Note that one piece is cut $\frac{3}{4}$ " shorter than the other so that both sides are equal from the corner to the end. With the pocket hole jig set for $\frac{3}{4}$ " material, drill pocket holes in one end of the longer back piece and both ends of the shorter back piece as shown. Join the pieces using glue and $1\frac{1}{4}$ " pocket hole screws.



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Step Two

Cut the pieces for the sides. A 45° bevel will be cut in one side edge of each piece to allow for the face frame on the diagonal. Secure the sides to the back pieces using glue and 1-1/4" pocket hole screws. the beveled edges will face each other.

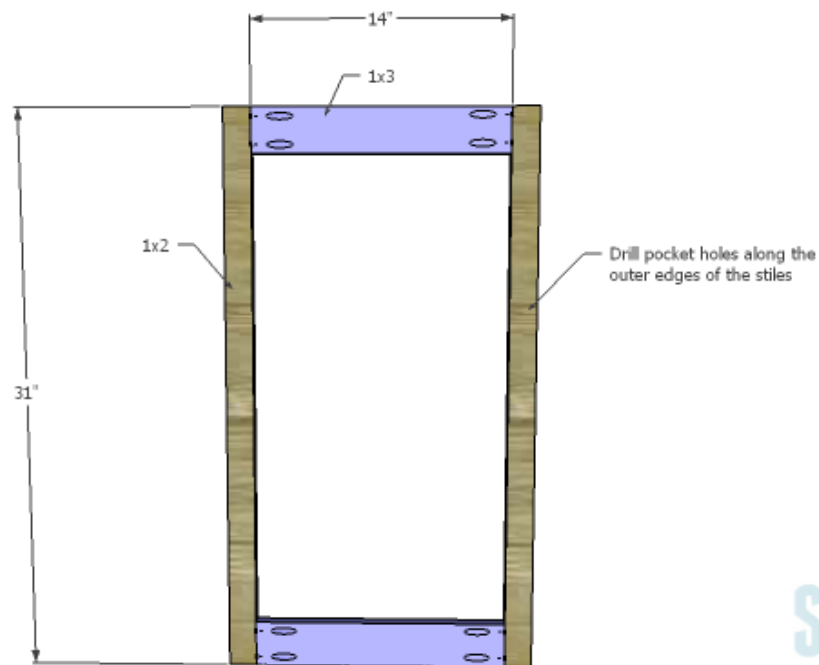


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Step Three

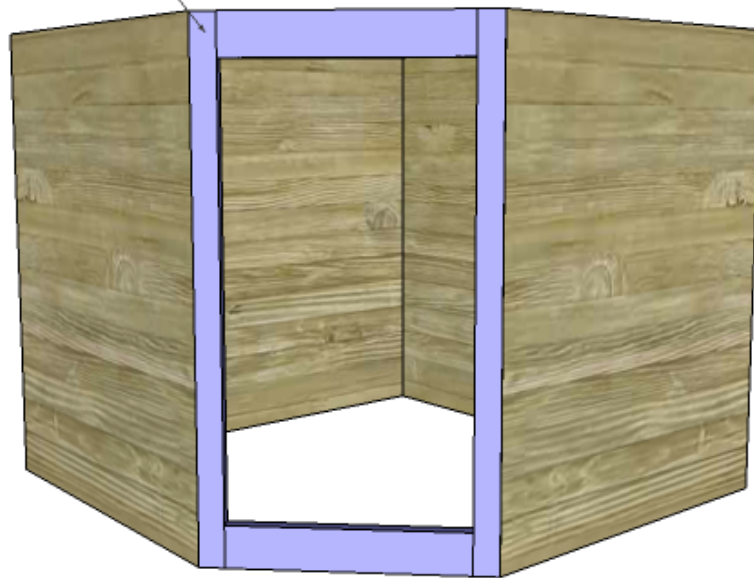
Cut the pieces for the face frame and drill pocket holes in each end of the shorter pieces as well as one long edge of each 1x2 piece (*not shown in the drawing*). Assemble the face frame using glue and 1-1/4" pocket hole screws.

Secure the face frame to the beveled edges of the sides using glue and 1" pocket hole screws. Do not use pocket hole screws that are longer as they may poke out the sides! Brad nails can also be used through the bevels into the sides of the frame but they may poke out the back side of the frame.



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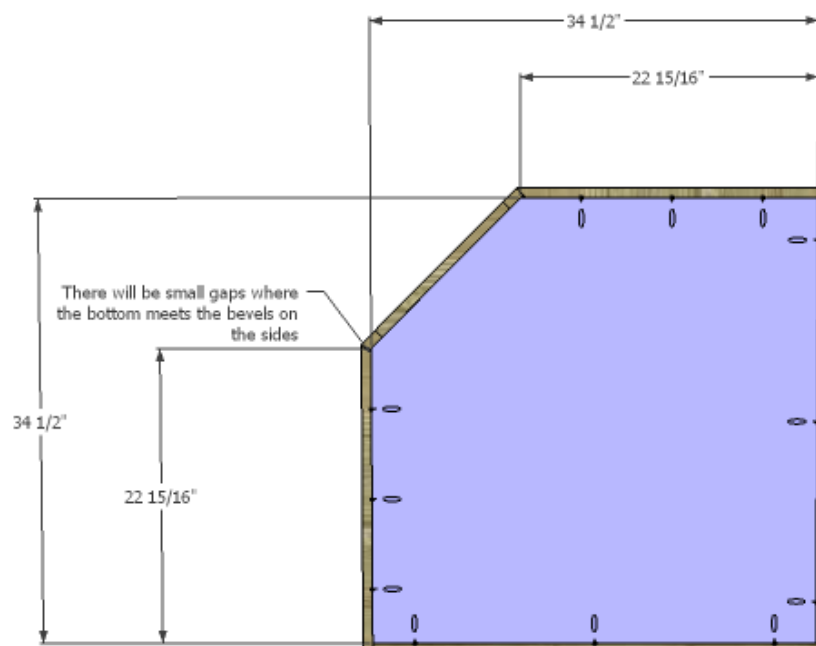
Secure face frame to sides
with pocket hole screws
on the inside



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Step Four

Cut the pieces for the shelves. Drill pocket holes in the shelves as shown. Secure the lower shelf to the side and back pieces first, using glue and 1-1/4" pocket hole screws.

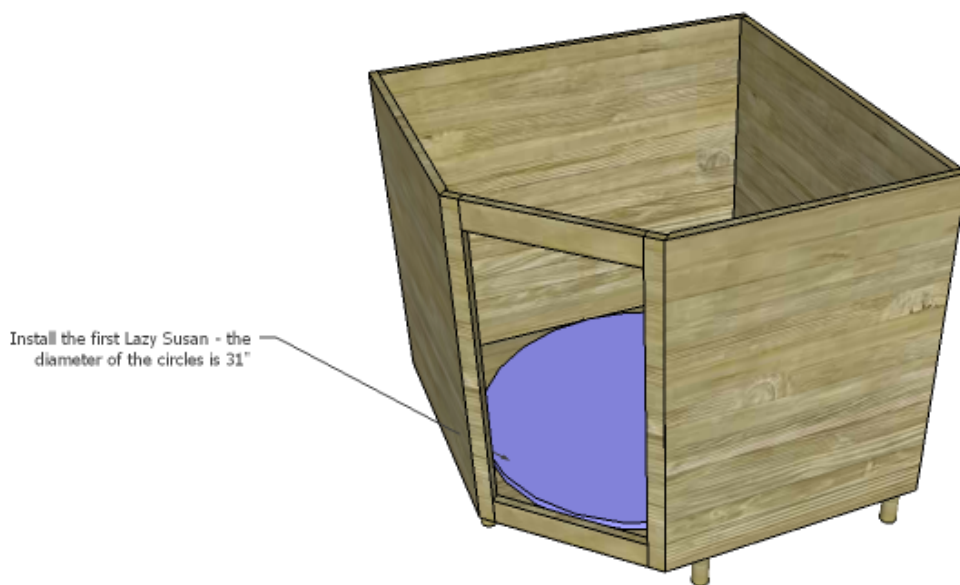


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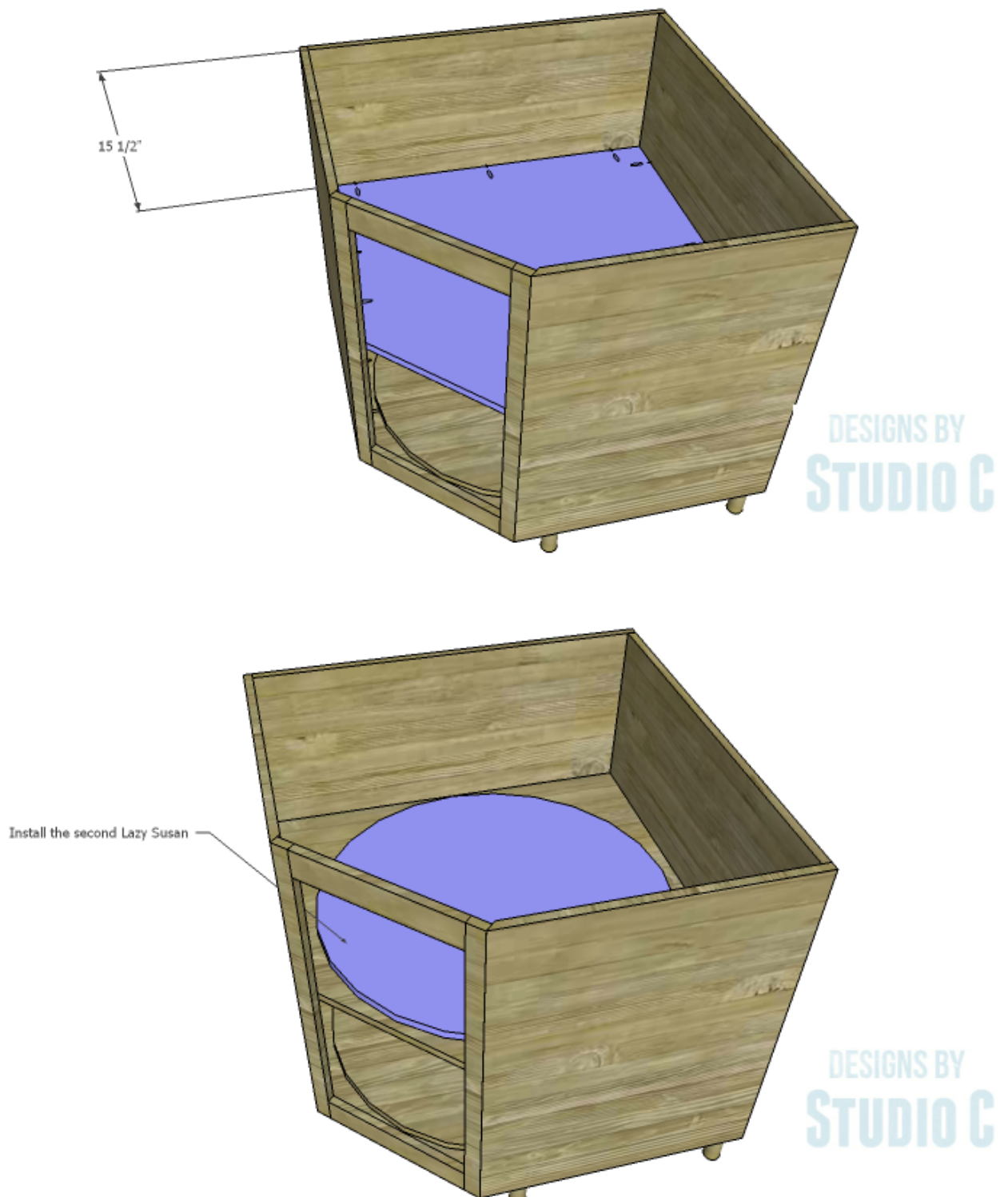
Step Five

[Cut the circles](#) for the Lazy Susan shelves. Install the Lazy Susan on the lower shelf first. For detailed instructions on installing Lazy Susan hardware, click [here](#).

Install the upper shelf. It may be easier to install if the pocket holes face up and the shelf is installed from the top of the cabinet (the pocket holes will not be visible). Install the second Lazy Susan.

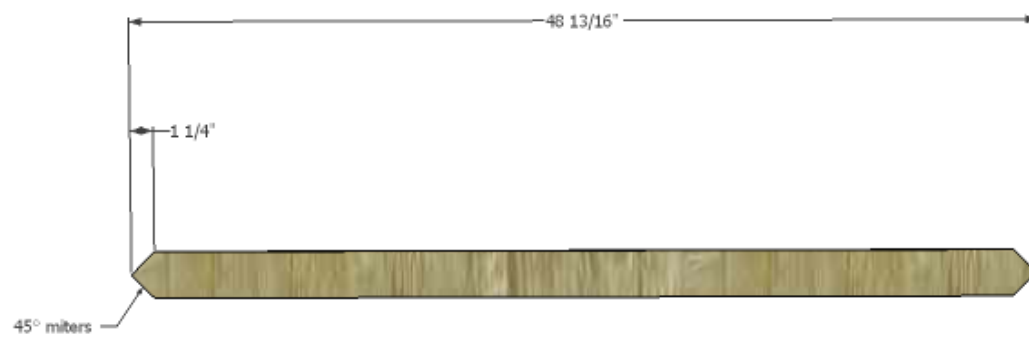


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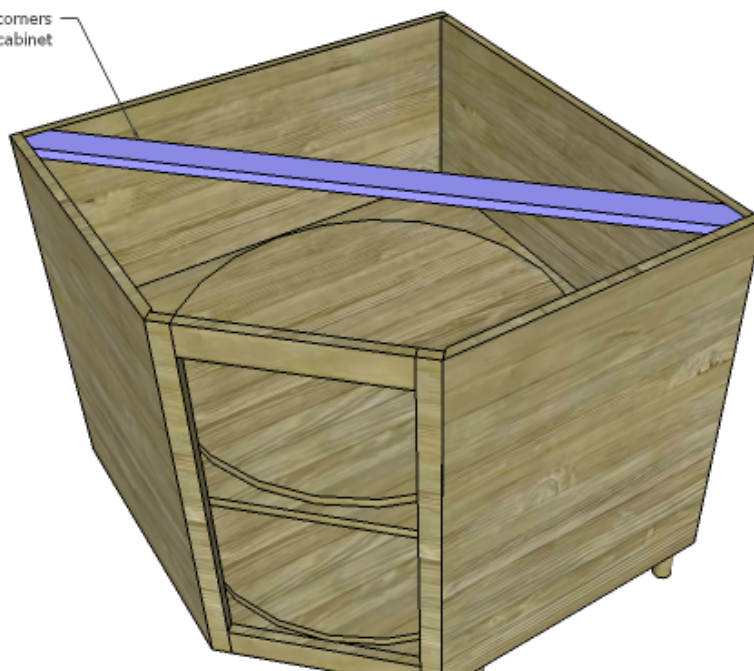
Step Six

Cut the piece for the support. The support is positioned diagonally across the cabinet and will have 45° angles cut in both sides of each end. Secure the support with 1-1/4" brad nails. Additional supports for the countertop may be added as necessary.



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Secure support to the corners
of the cabinet



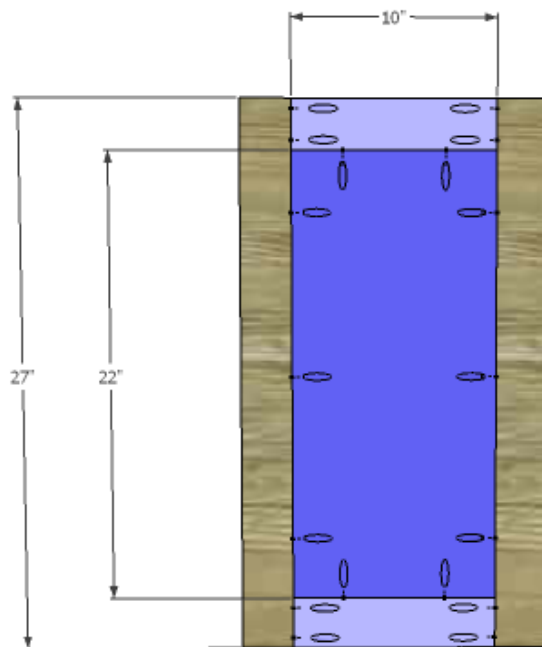
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Step Seven

Cut the pieces for the doors and drill pocket holes in each end of the rails. Assemble the door frame using glue and 1-1/4" pocket hole screws.

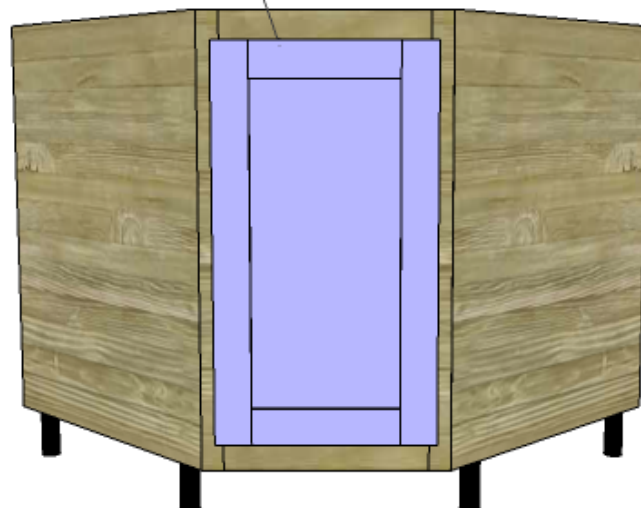
Set the pocket hole jig for 1/2" material and drill pocket

holes in all four edges of the door panel. Secure the panel in the frame using glue and 1" pocket hole screws. The back face of the panel will be flush with the back face of the door frame.



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Door overlays the opening by 1/2" on all sides



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Install the hinges and the cabinet pull as desired.

Cut a piece of 3/4" plywood, approximately 4" tall, to act as

a kick plate once the cabinets are installed.

Have any questions about the DIY plans to build a Diagonal Corner Base Kitchen Cabinet? Leave a comment below!